

EXISTING
DATABASES AND
APPLICATIONS

FIG. 1

FIG. 2 is a block diagram of a system 22 for providing services to a user. The system 22 includes a user interface 24, a security module 26, and a service module 28. The user interface 24 is connected to the security module 26, which is connected to the service module 28. The security module 26 includes three security profiles: Security Profile 1, Security Profile 2, and Security Profile 3. Each security profile is associated with a specific service: Service A, Service B, and Service C. The service module 28 is connected to a network 40, which is connected to a server 42. The server 42 is connected to a database 44.

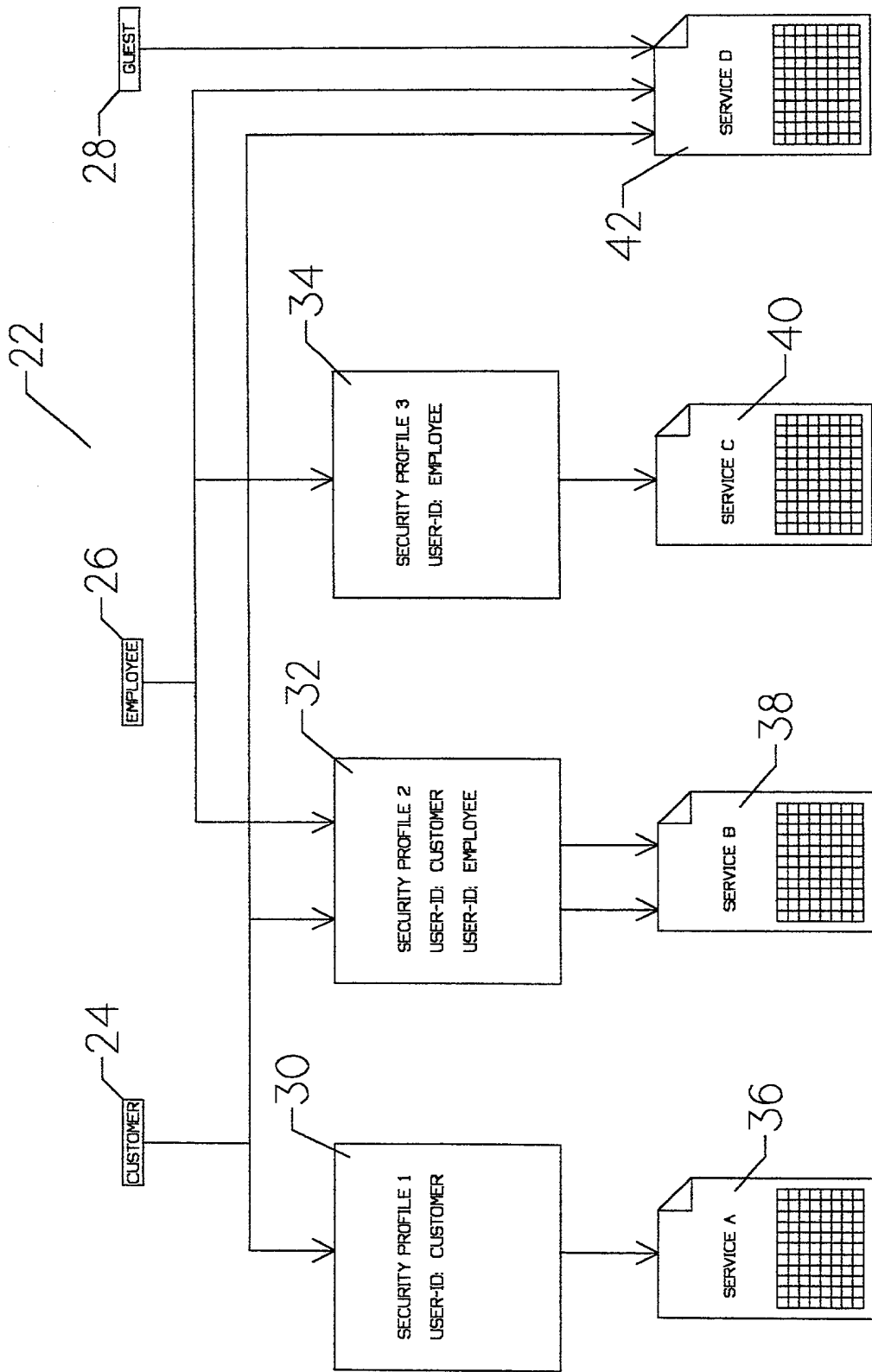


FIG. 2

FIG. 3 is a block diagram of a network system 44. The network system 44 includes a client 46, a web server 50, an enterprise server 54, and a departmental server 58. The client 46 is connected to the web server 50 via a network 48. The web server 50 is connected to the enterprise server 54 via a network 52. The enterprise server 54 is connected to a database 56. The departmental server 58 is connected to a database 60.

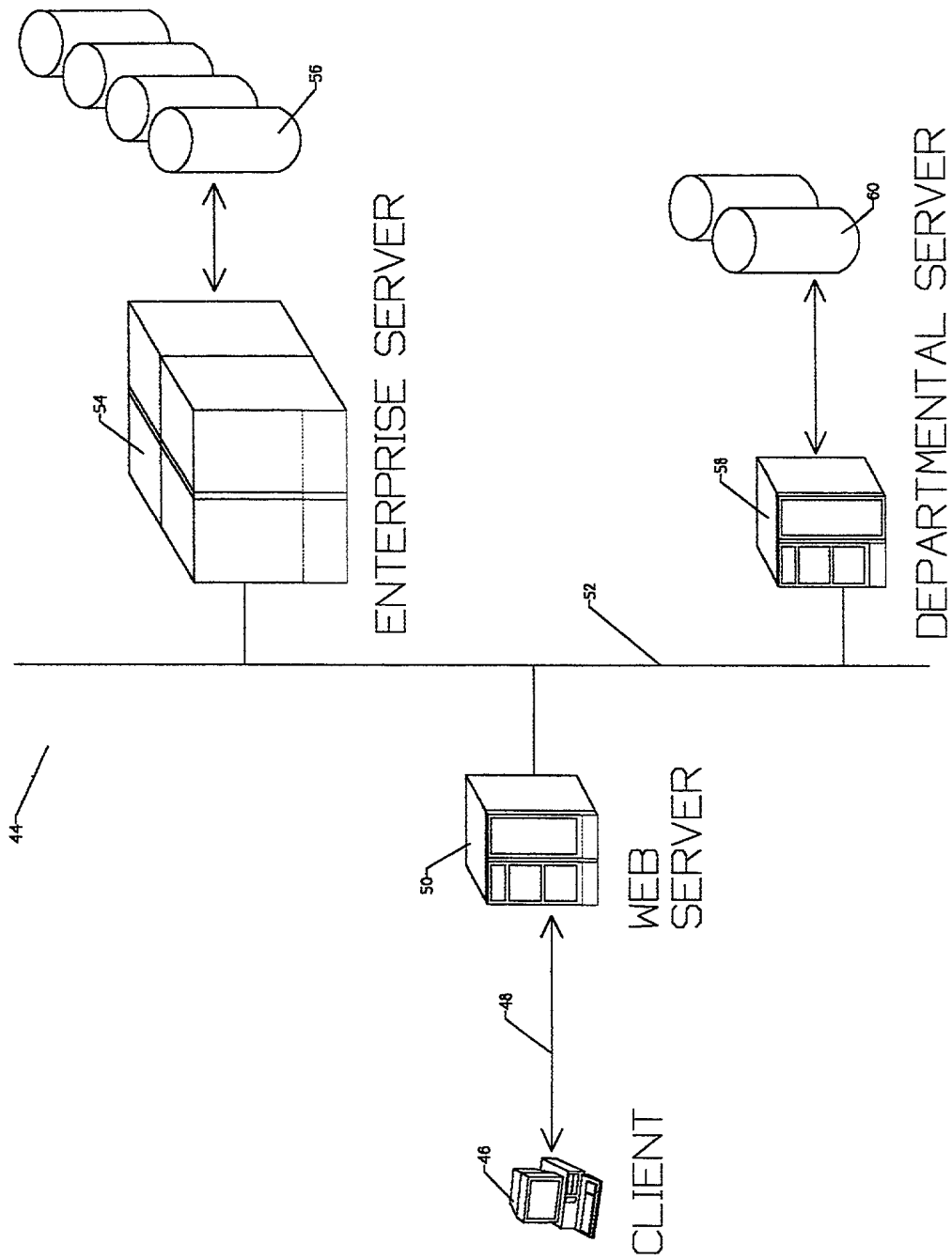


FIG. 3

FIG. 4 is a block diagram of a Cool Ice system architecture. The system includes a Client (64) connected to a Web Server (Cool Ice Domain) (66). The Web Server contains an ASP Proc. (68) and a Default ASP (Native Service) (70). The ASP Proc. contains an ASP (Open Serve) (72). The Default ASP (Native Service) (70) is connected to a Cool Ice Object (74). The Cool Ice Object (74) is connected to a Cool Ice Engine (76). The Cool Ice Engine (76) is connected to a Graphing Engine (78). The Cool Ice Engine (76) is also connected to a Repository (80). The Repository (80) is connected to a Cool Ice Administrator (82). The Cool Ice Administrator (82) is connected to an Enterprise Server (86) and a Departmental Server (88). The Enterprise Server (86) and Departmental Server (88) are connected to a network (84).

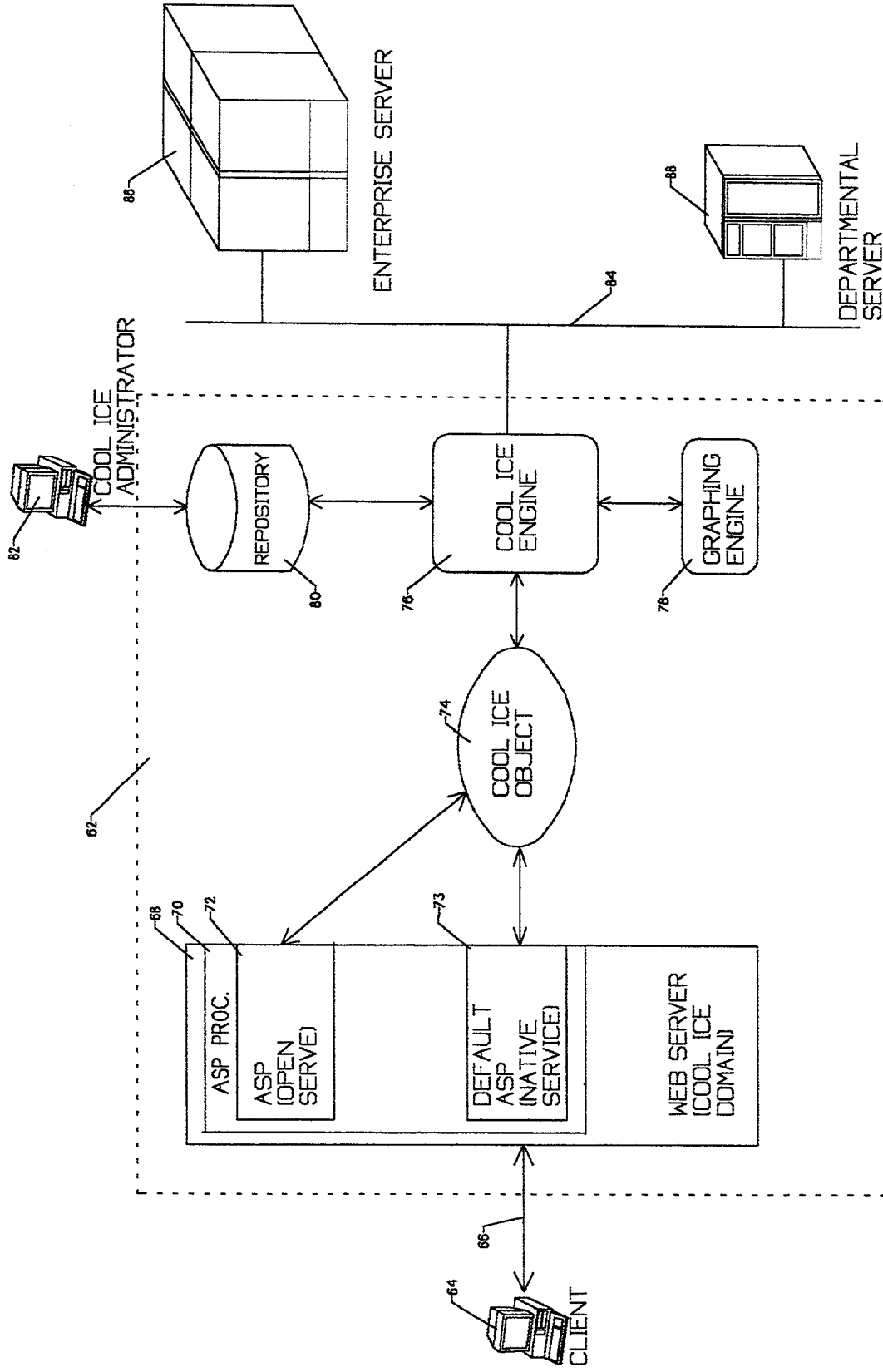
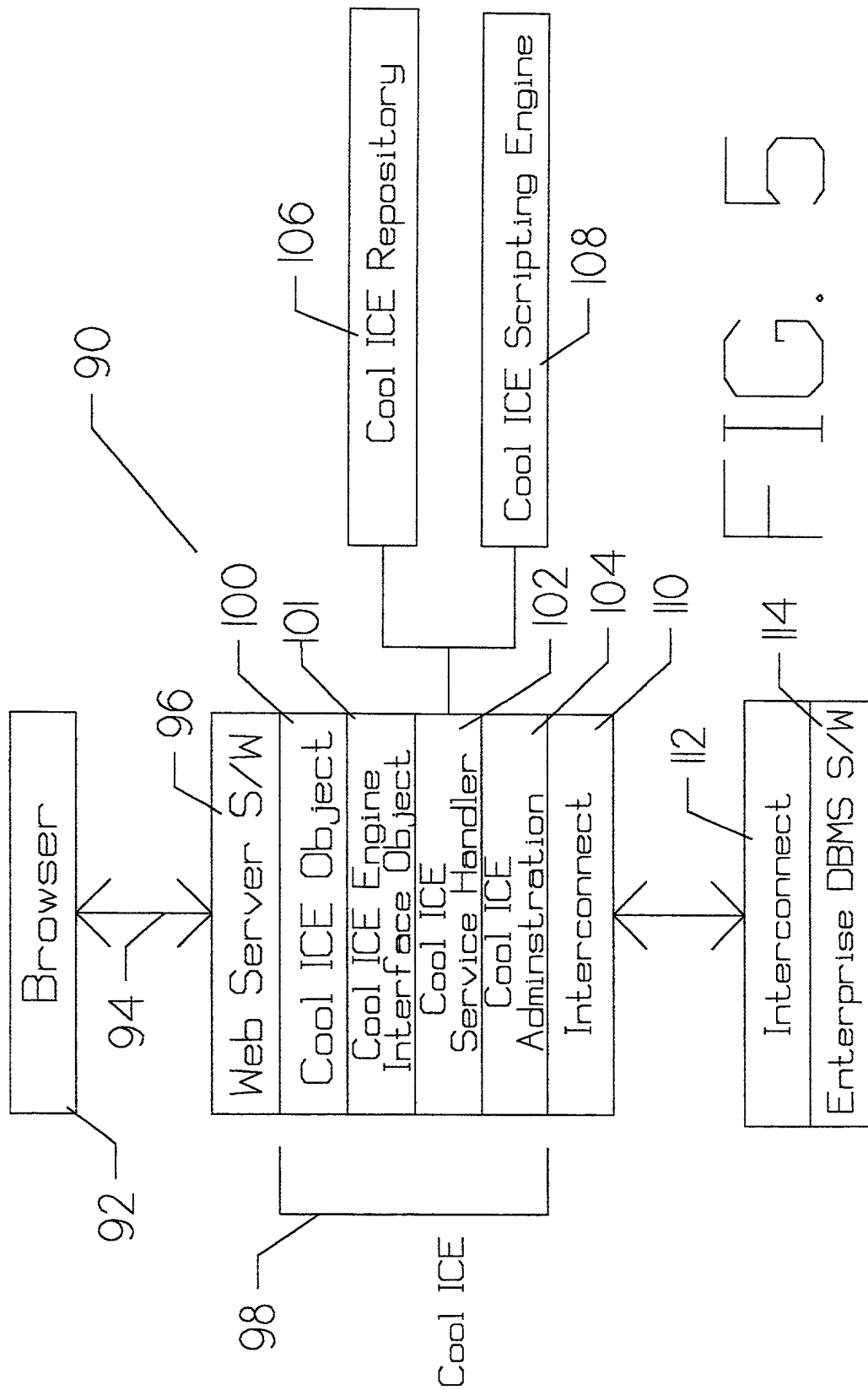


FIG. 4



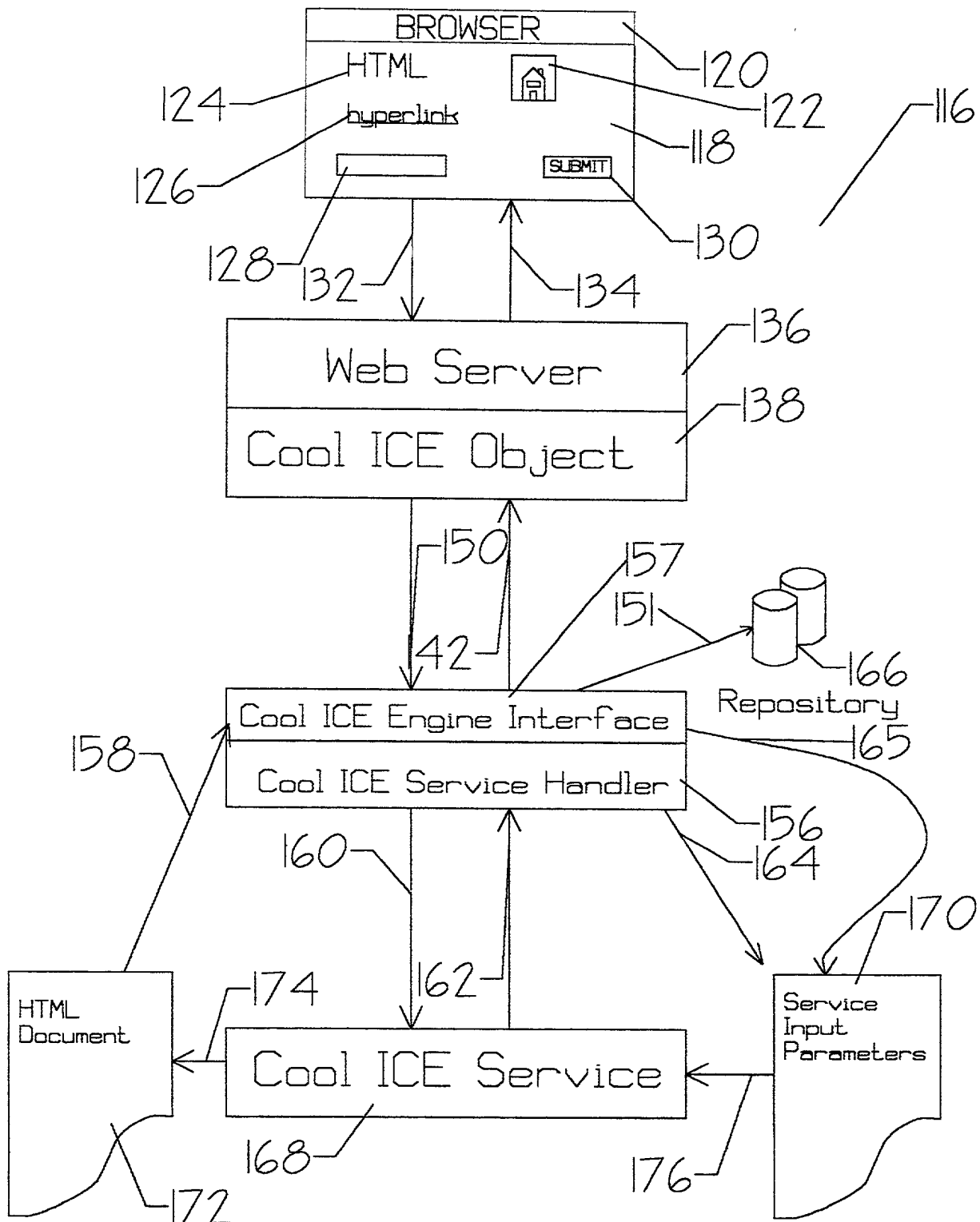


FIG. 6

FIG. 7 is a diagram of a system architecture for a web browser and an HTML author. The system includes a browser (200) and an HTML author (180). The browser (200) displays a web page (202) with the text "Cool Ice" and a waveform (204). The HTML author (180) displays a form (182) with the text "HTML" and "hyperlink", a text input field (184), and a "SUBMIT" button. The browser (200) sends a request (206) to the HTML author (180). The HTML author (180) sends a response (186) to the browser (200). The response (186) is a document (192) with a "Category" (190) and "Services" (194). The document (192) is a file (196).

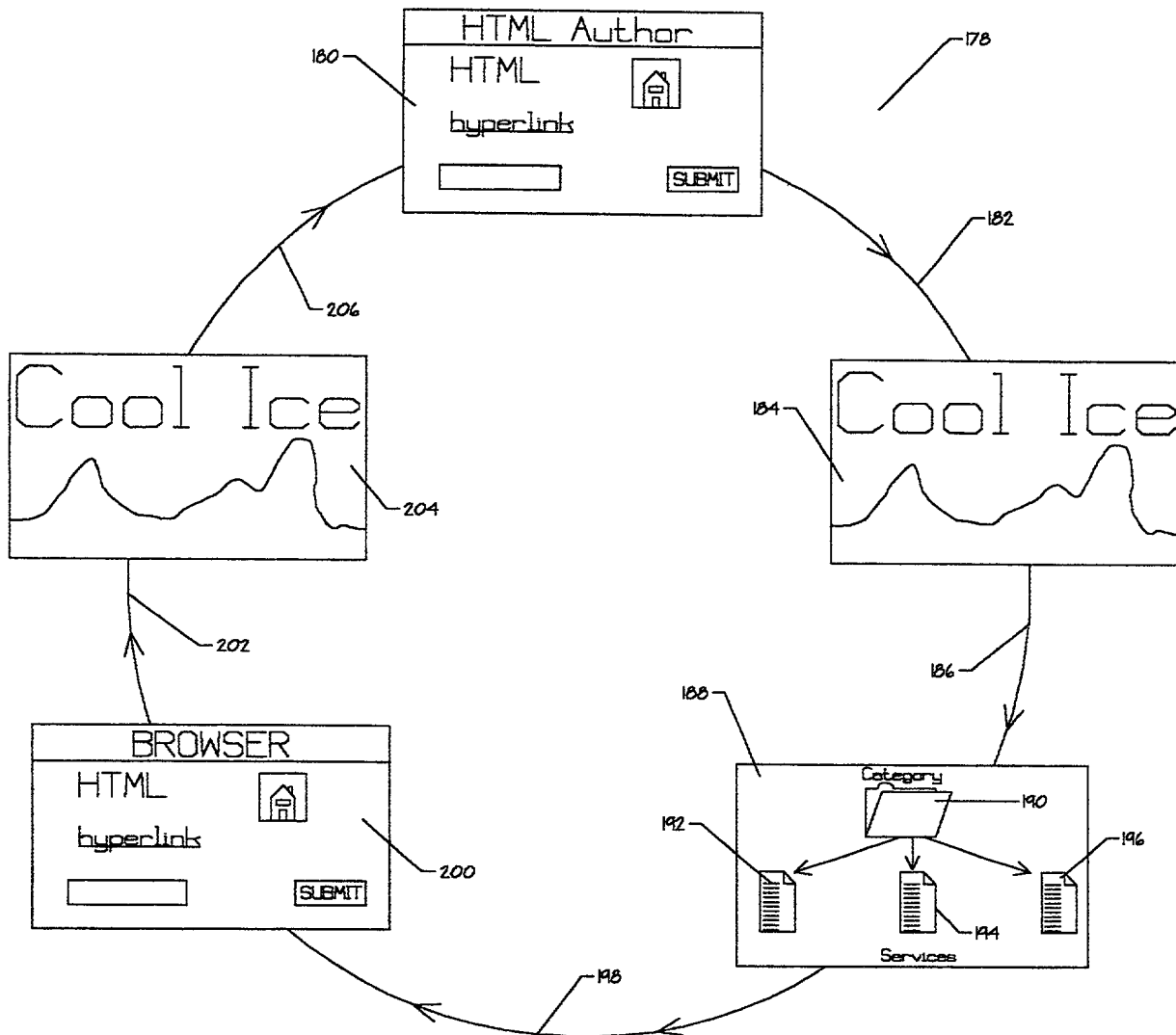


FIG. 7

FIG. 8 is a diagram illustrating a service-based structure 208, which is a sequence of service steps 210 and 212, and a dialog-based structure 208, which is a sequence of dialog steps 210 and 212.

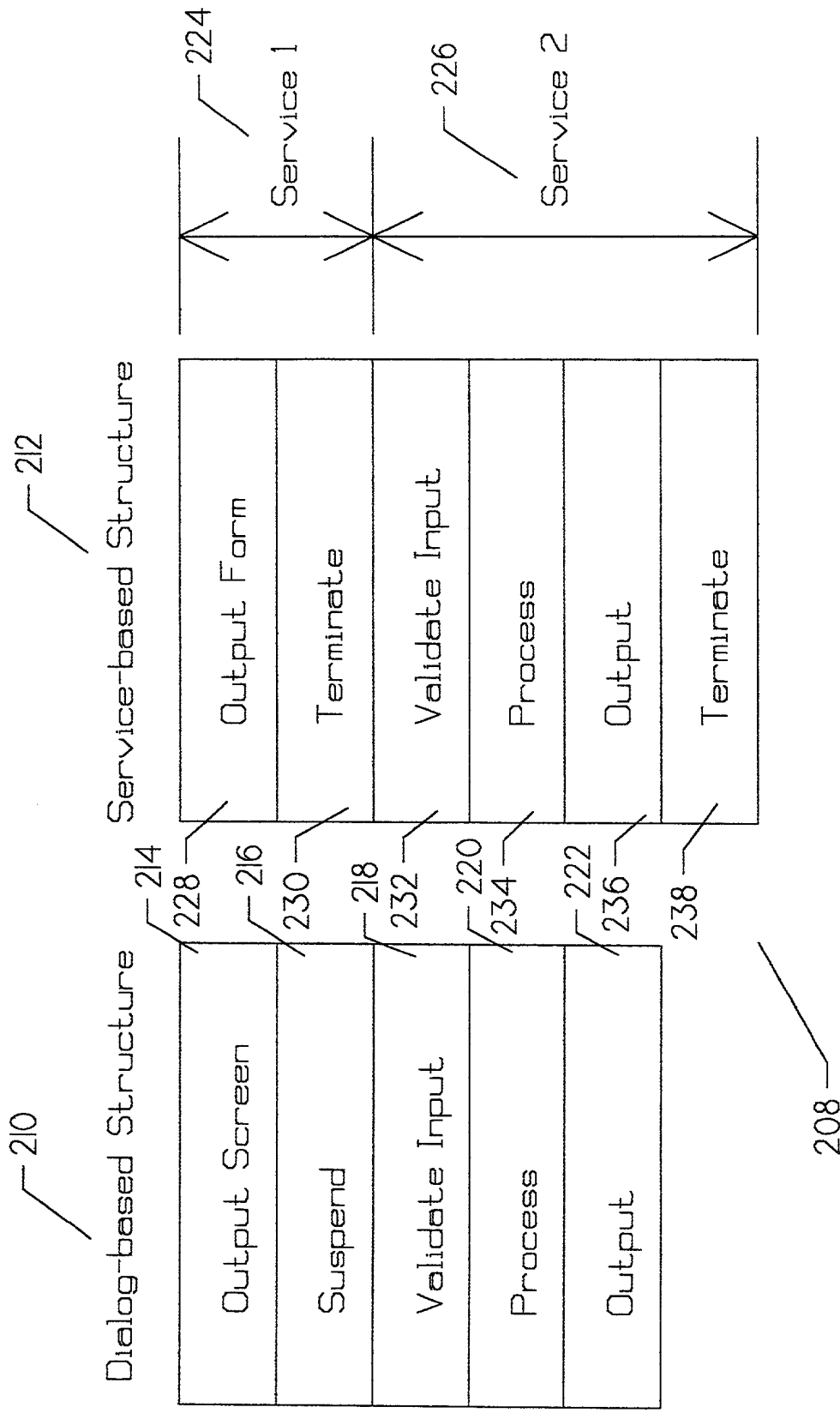


FIG. 8

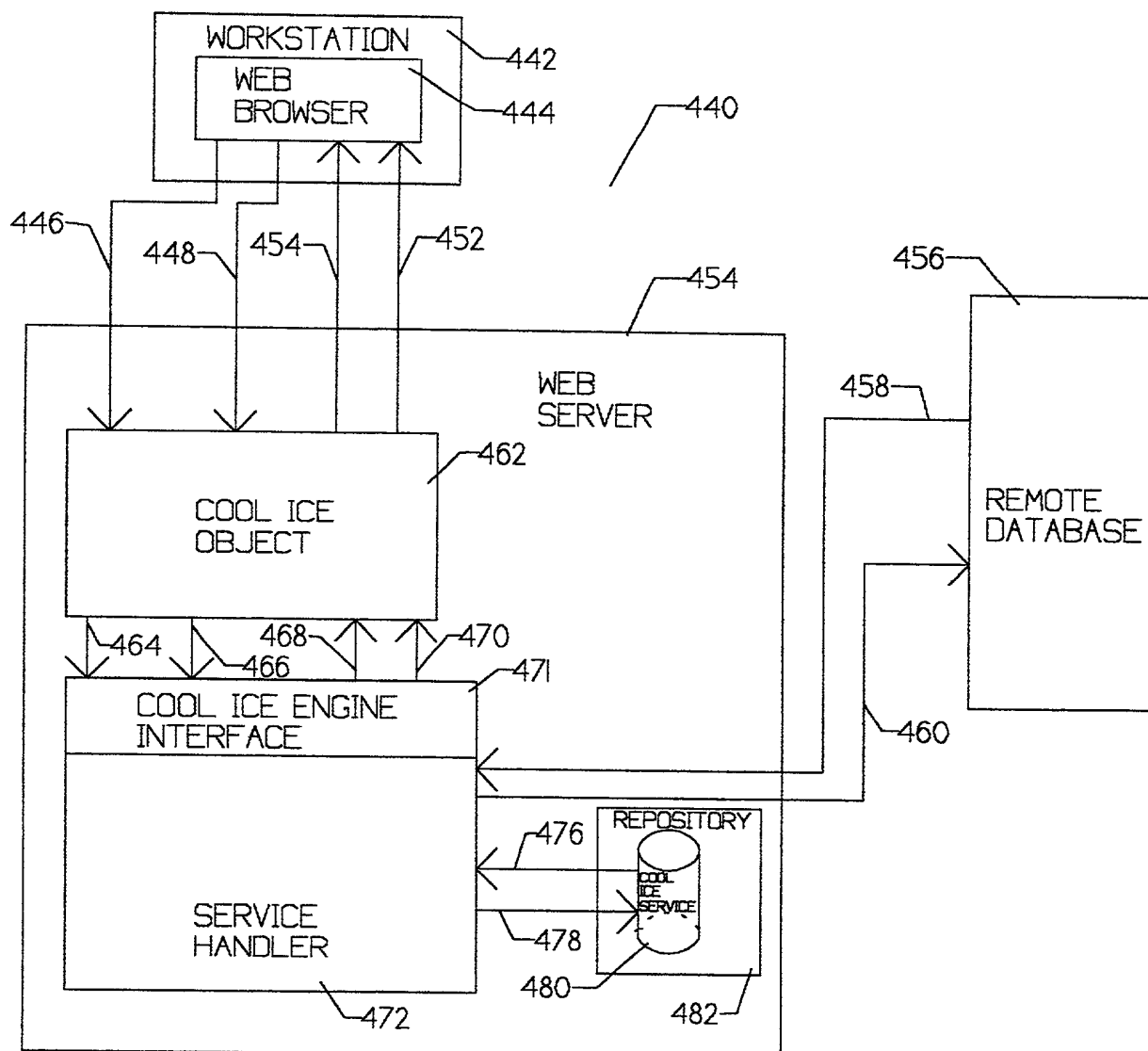


FIG. 10

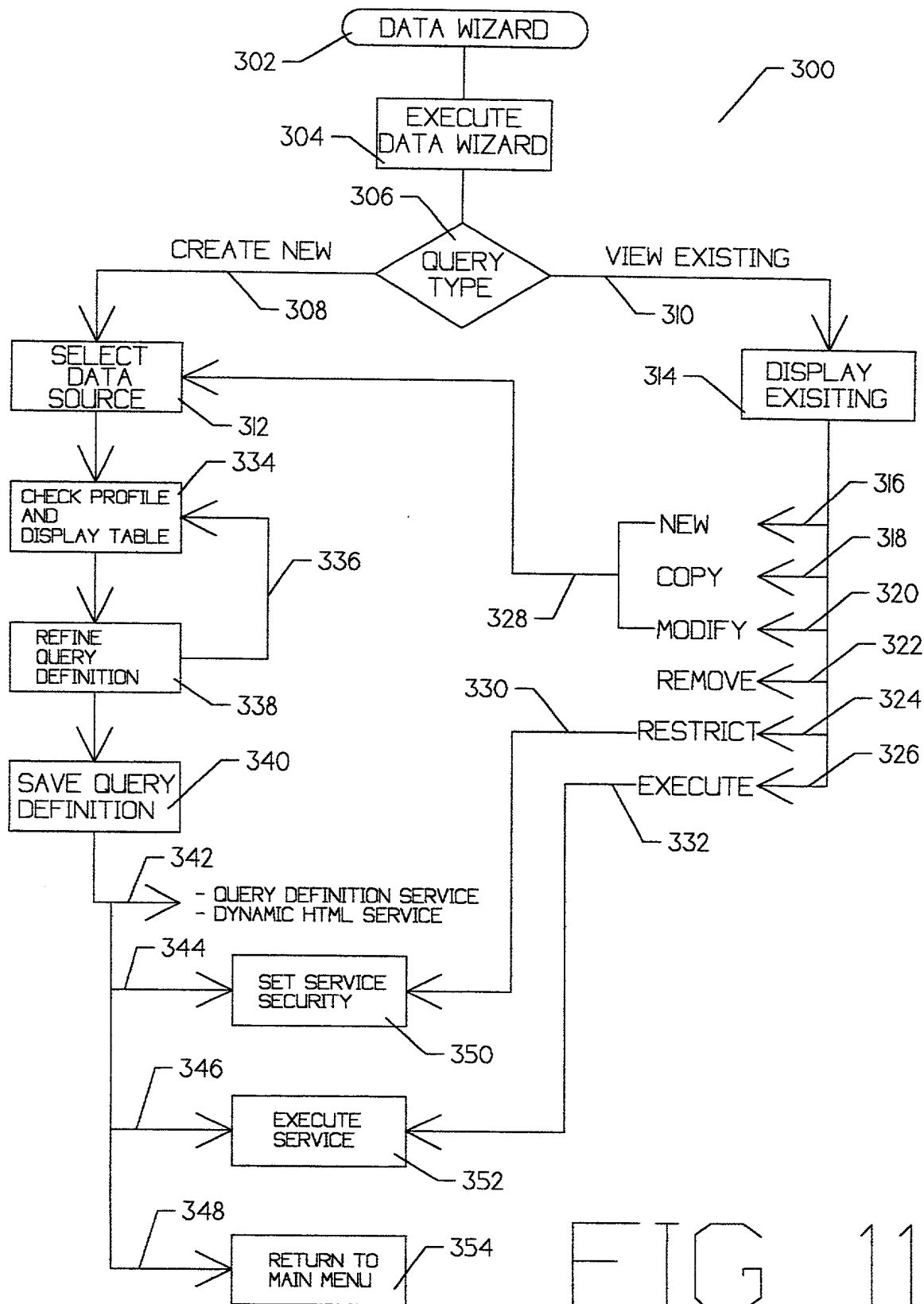


FIG. 11

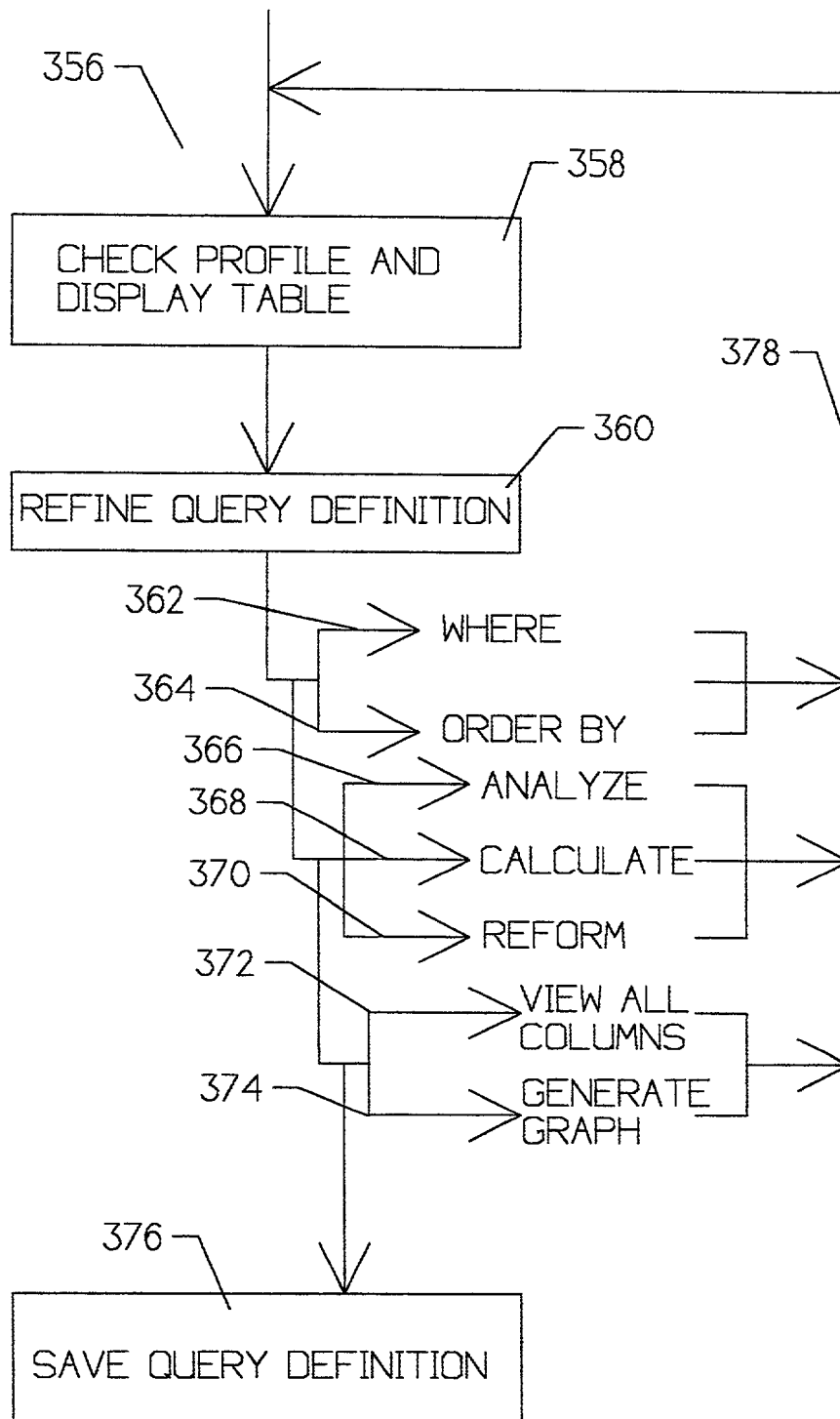


FIG. 12

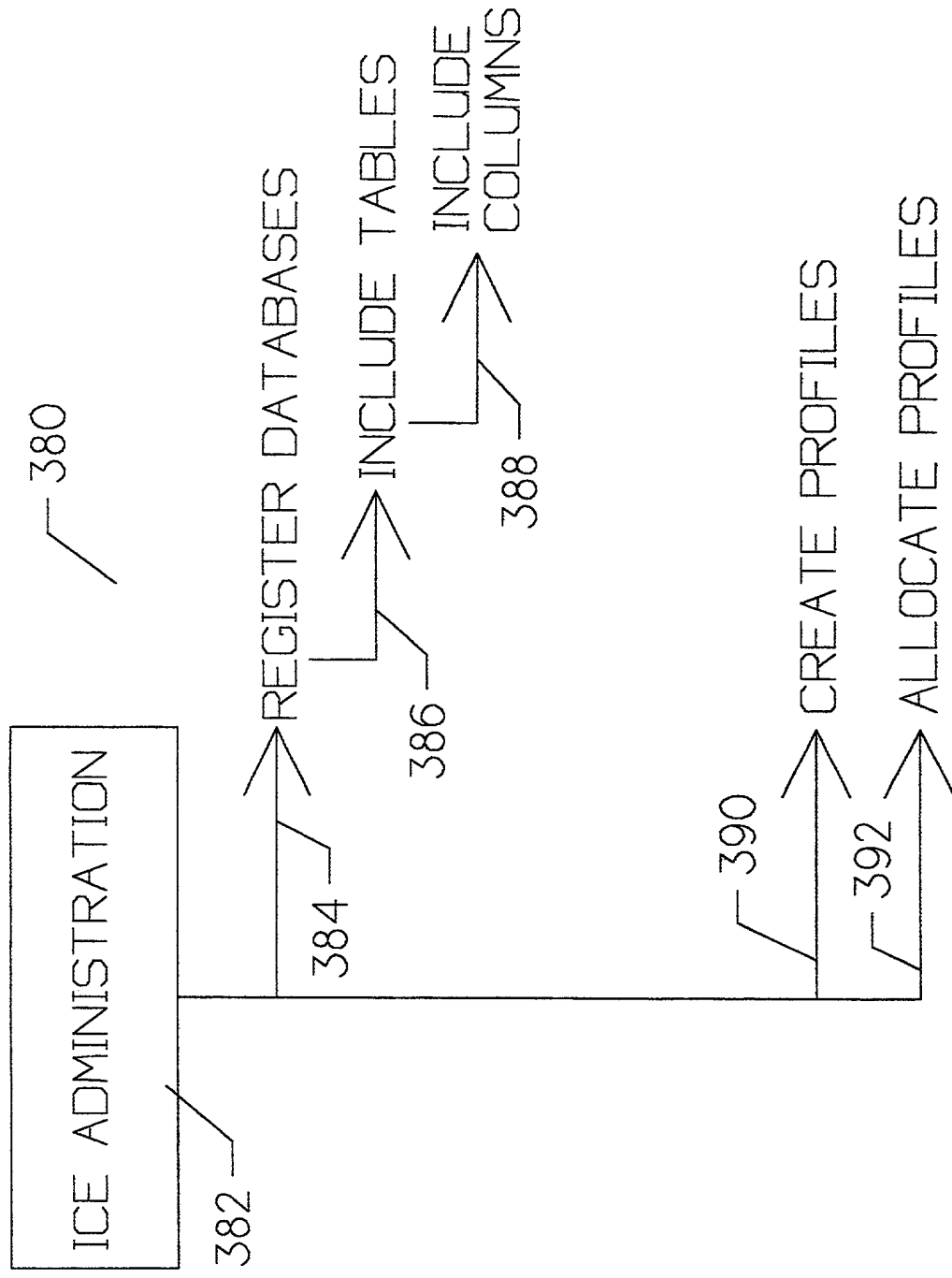


FIG. 13

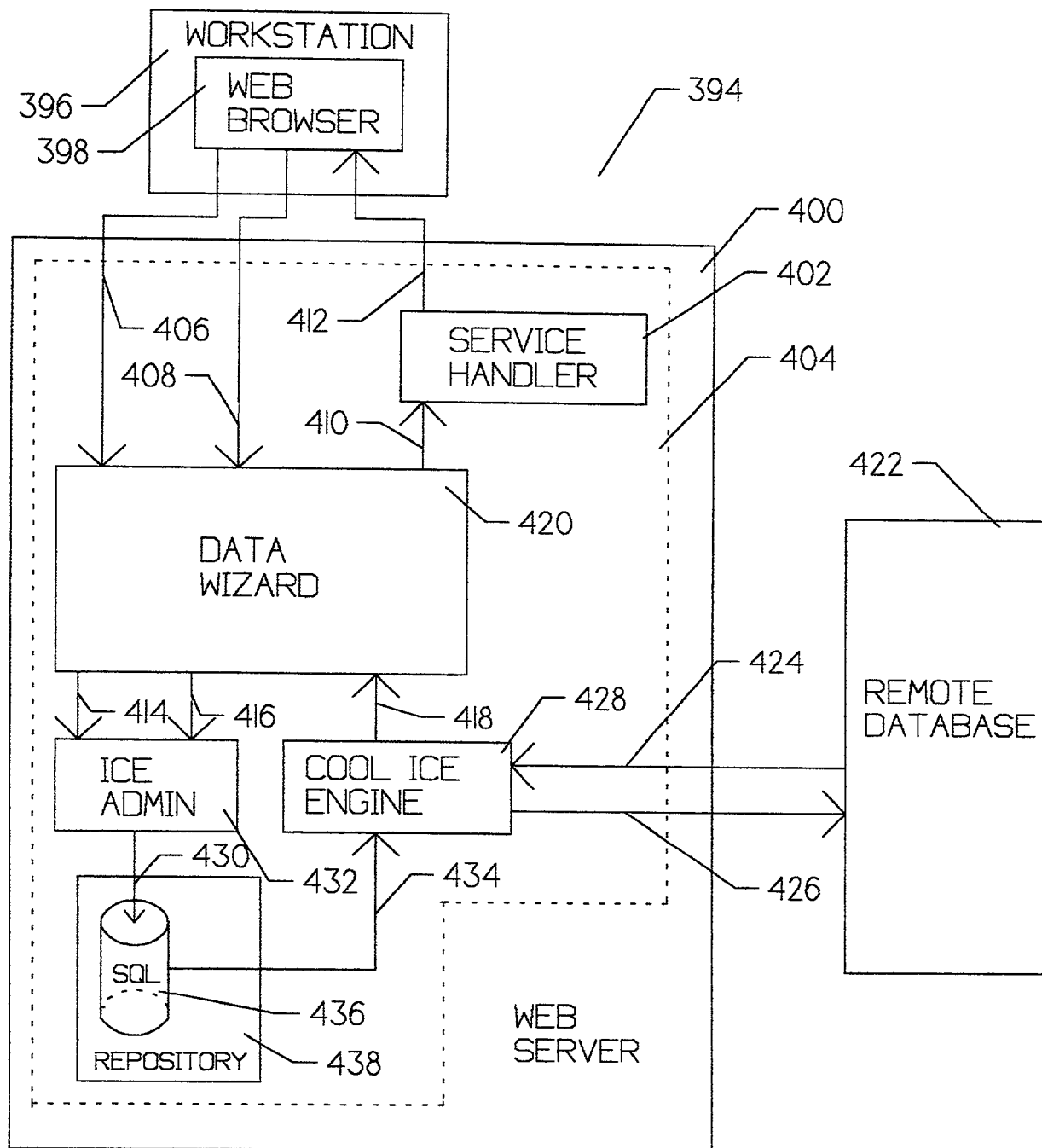
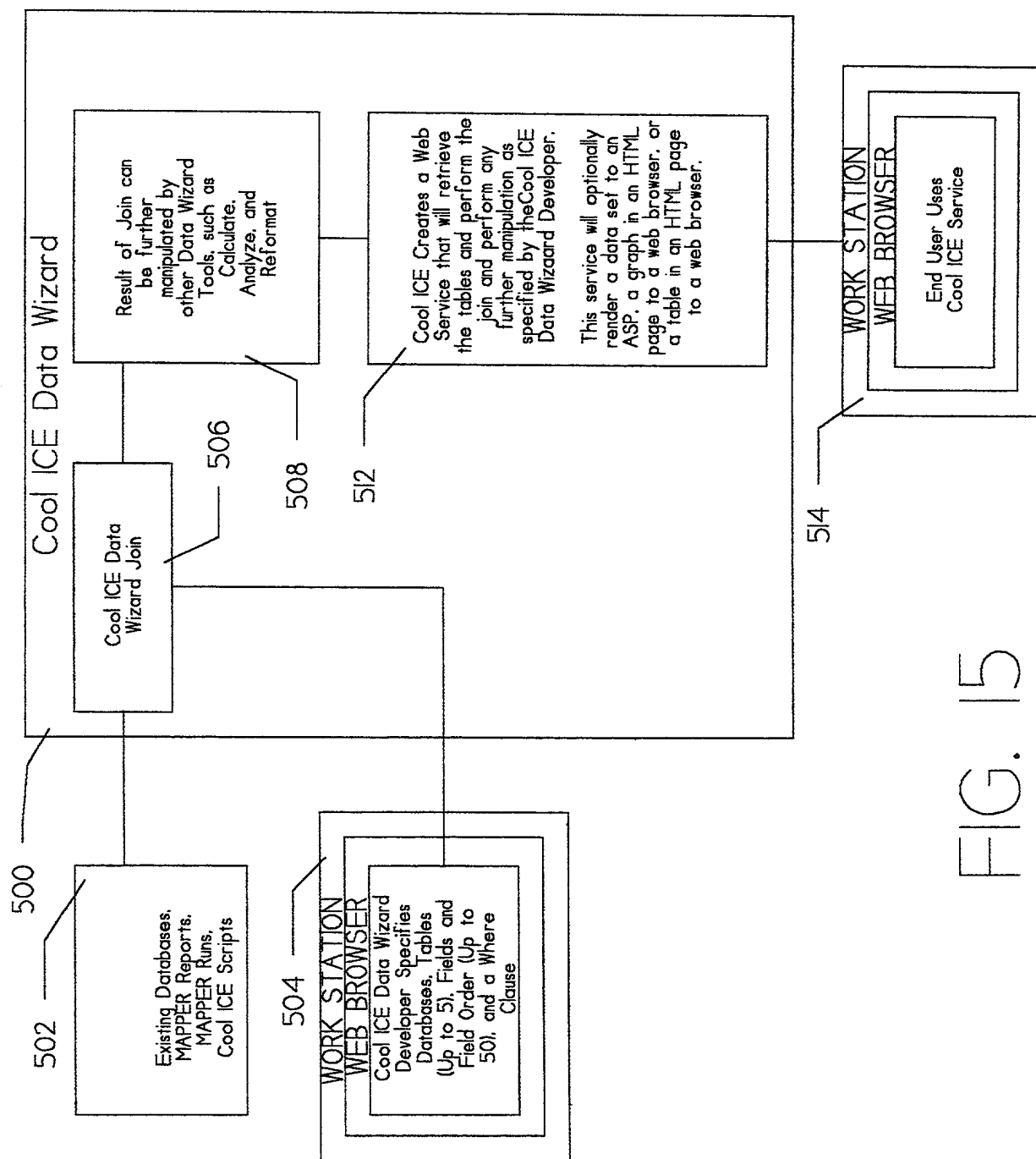
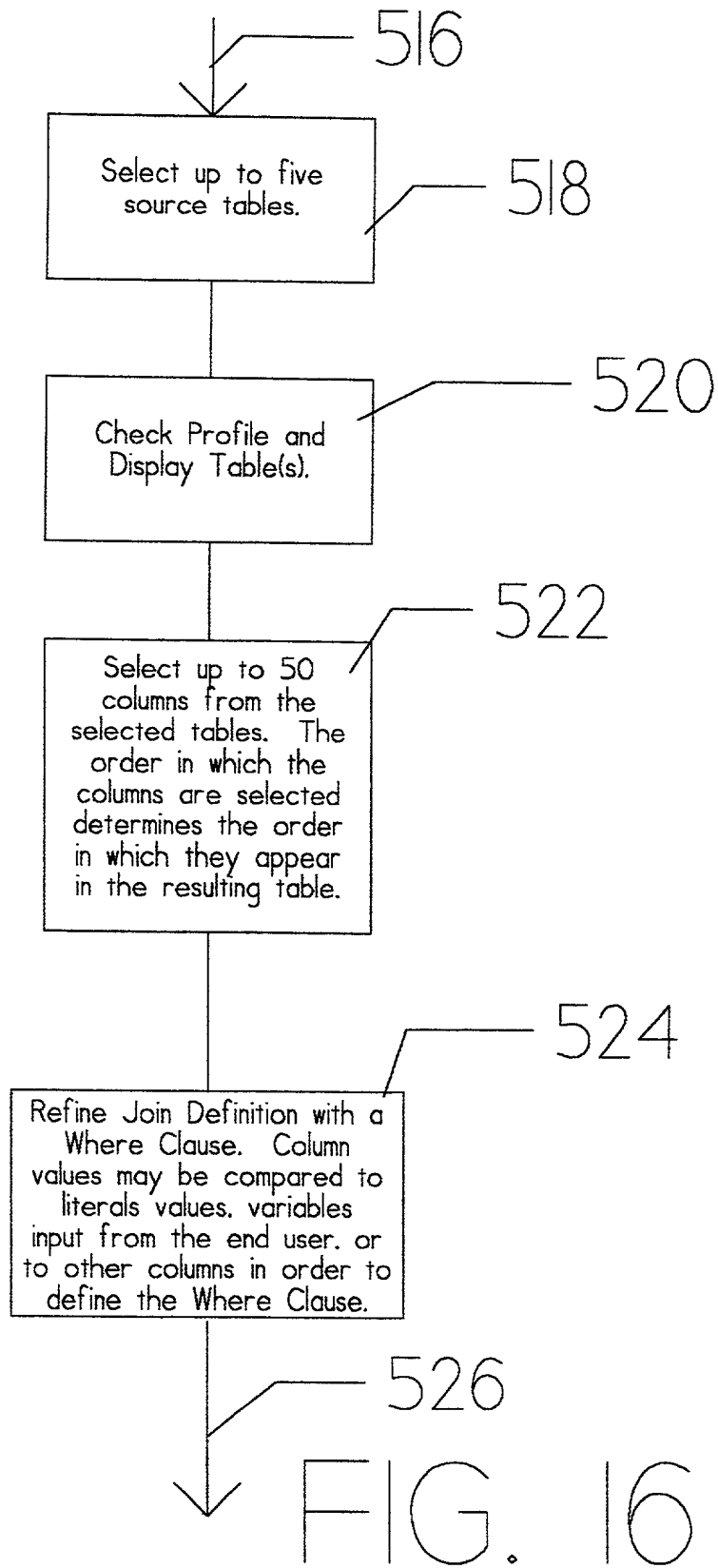


FIG. 14





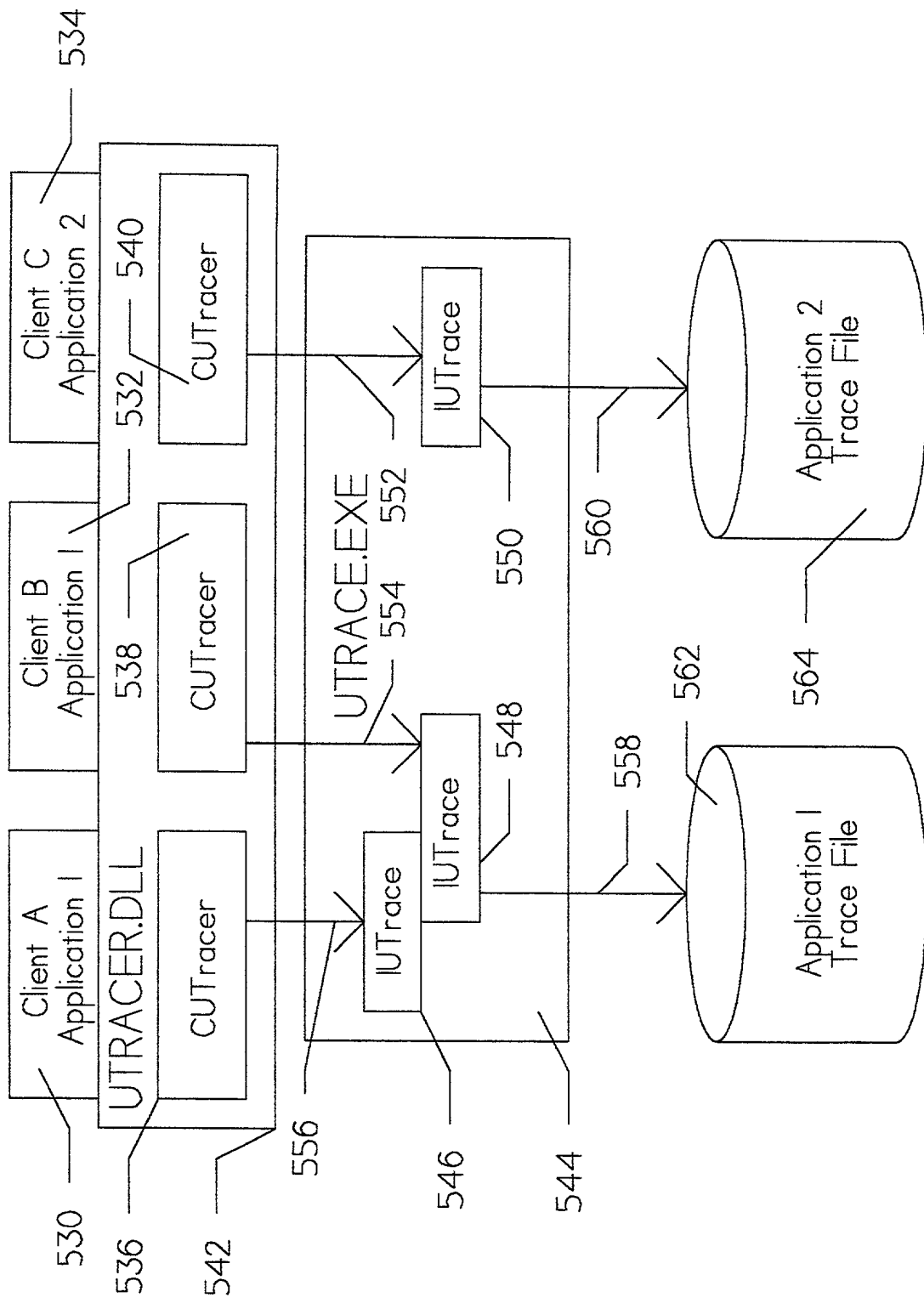


FIG. 17

HKLM\SOFTWARE\UNISYS\UTRACE

APPNAME -- Subkey matching the name of the application

565

ENABLETRACE	-- DWORD value indication a Boolean (1=trace.. 0=no trace).
MAXENTRIES	-- DWORD value indicating the maximum number of entries in the trace file. If missing, then no upper limit is imposed.
FORMATFLAGS	-- DWORD value indicating message formatting flags.
POLICYFLAGS	-- DWORD value indicating trace policy flags set for the application.
TRACELEVEL	-- DWORD value indicating a trace level. 0 = no trace.
TRACEPATH	-- String value indicating the directory path for the trace files.
REGTRACE	-- A string value containing the HKLM\Software sub key to trace for this application. Blank or missing for no registry trace.
COMPONENT	-- A subkey for a specific component of the application.
	POLICYFLAGS -- Value indicating component level trace policy flags
	TRACELEVEL -- DWORD Value indicating a trace level. 0 = no trace.
	VERSIONTRACE-- String value specifying executable component name for version information tracing.

FIG. 18

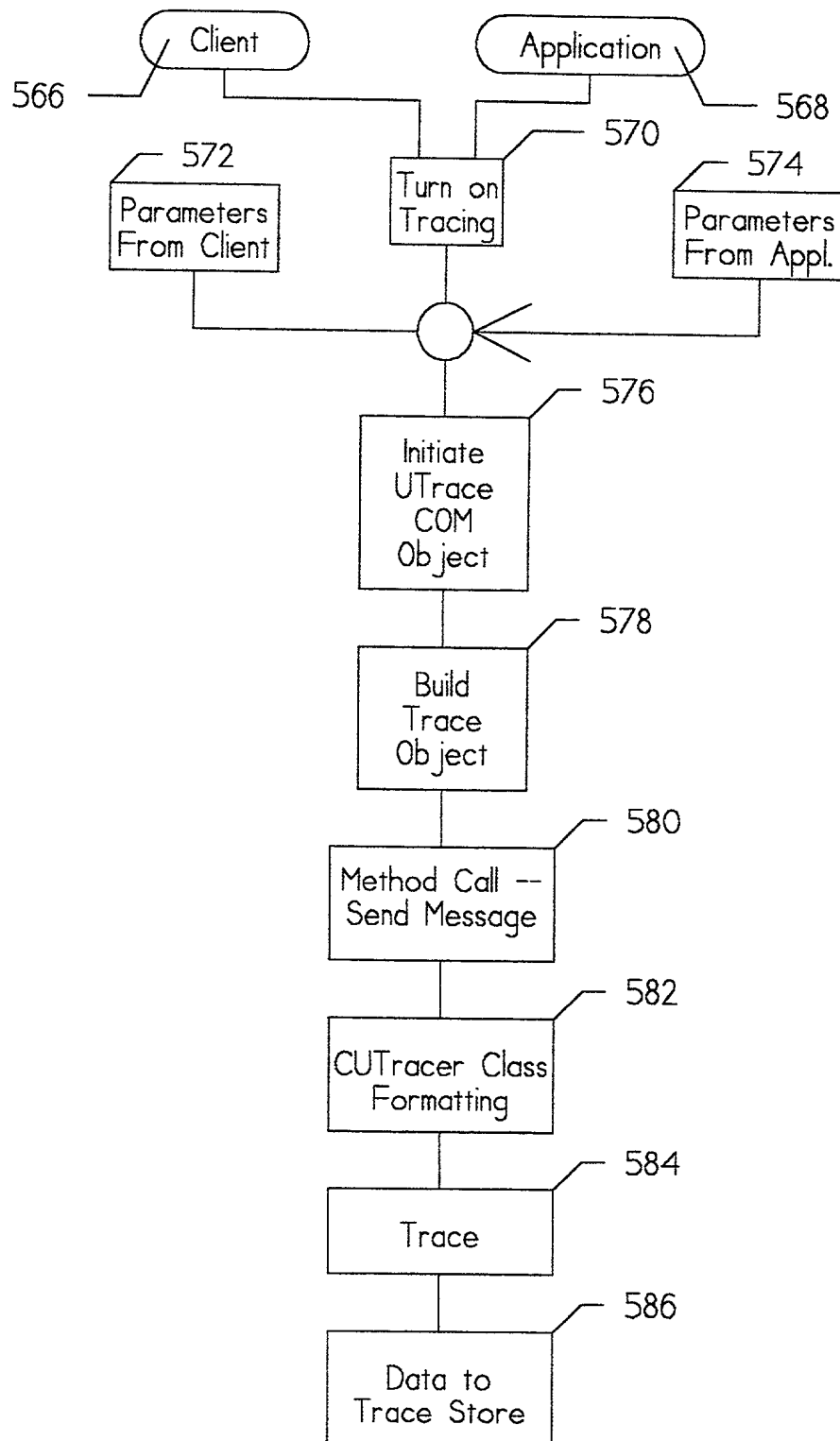


FIG. 19

```
#define CI_TRACE_VERSION      0x1
#define CI_TRACE_ERROR        0x2
#define CI_TRACE_INTERFACE    0x4
#define CI_TRACE_FLOW         0x8
#define CI_TRACE_DETAIL       0x10
```

FIG. 20A

```
if (m_trace.Active(CI_TRACE_DETAIL))
m_trace<<"MY Detailed Trace information"<<Localvariable<<traceit
```

FIG. 20B

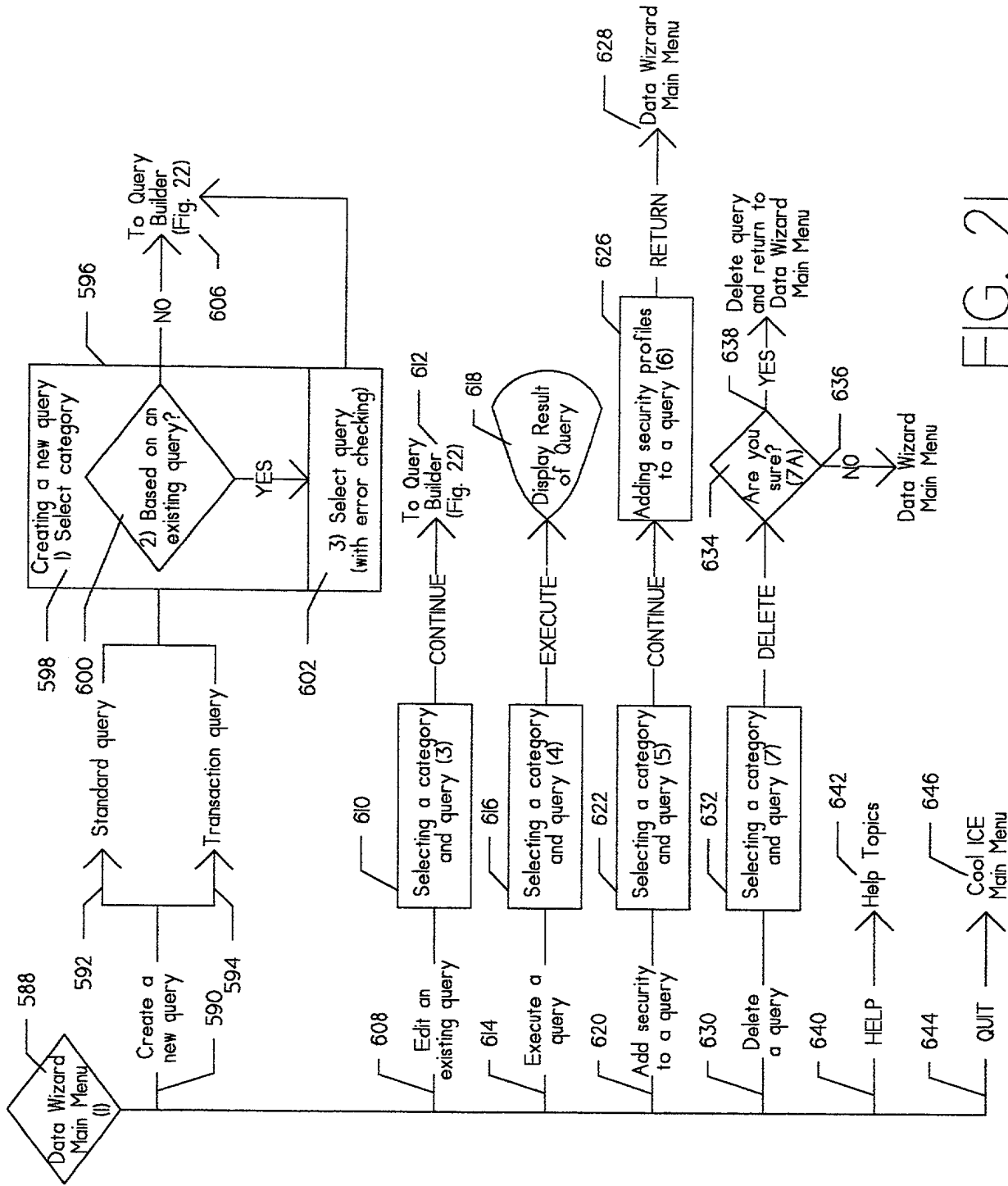


FIG. 21

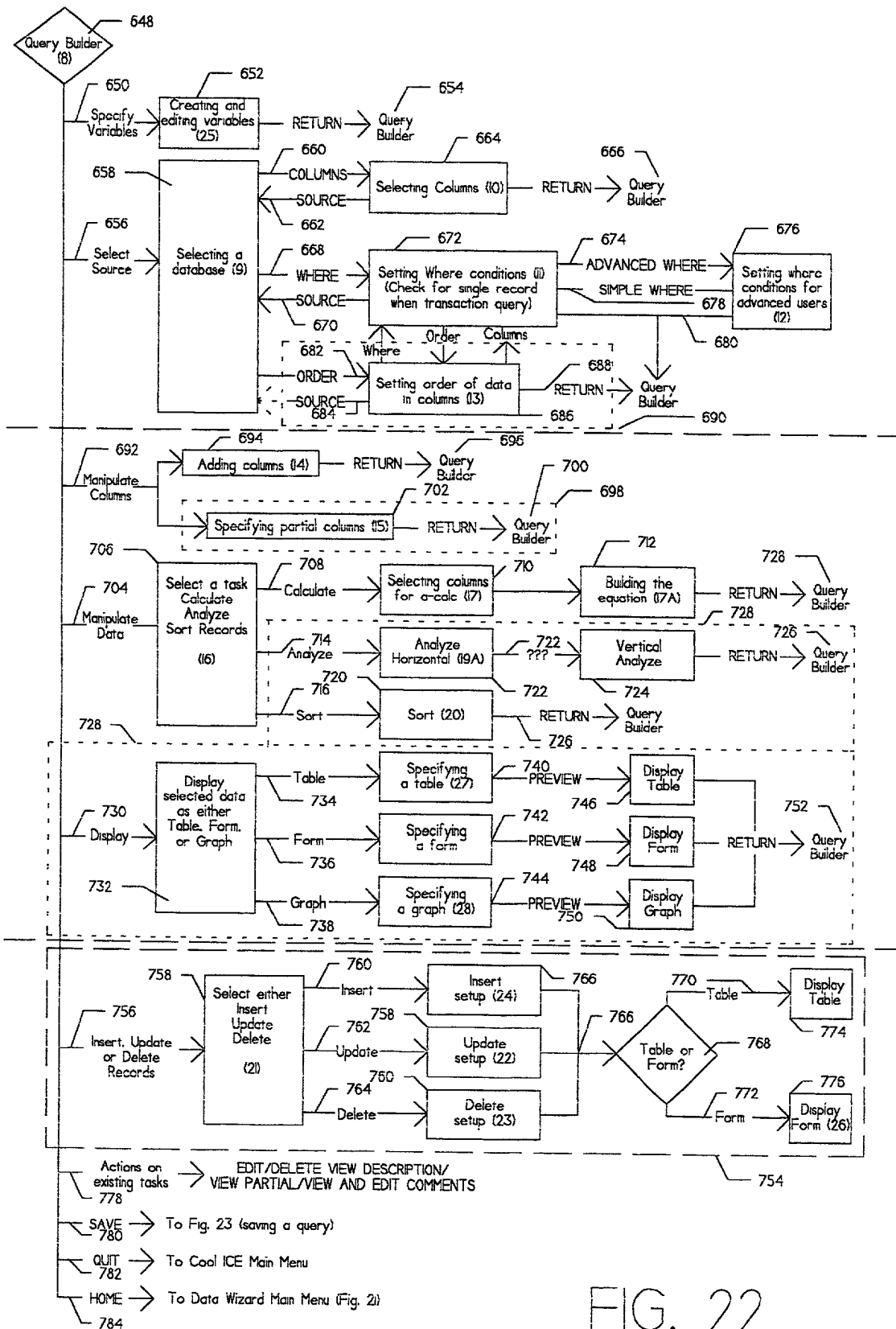


FIG. 22

spec. any query from any data in
the field that can be used

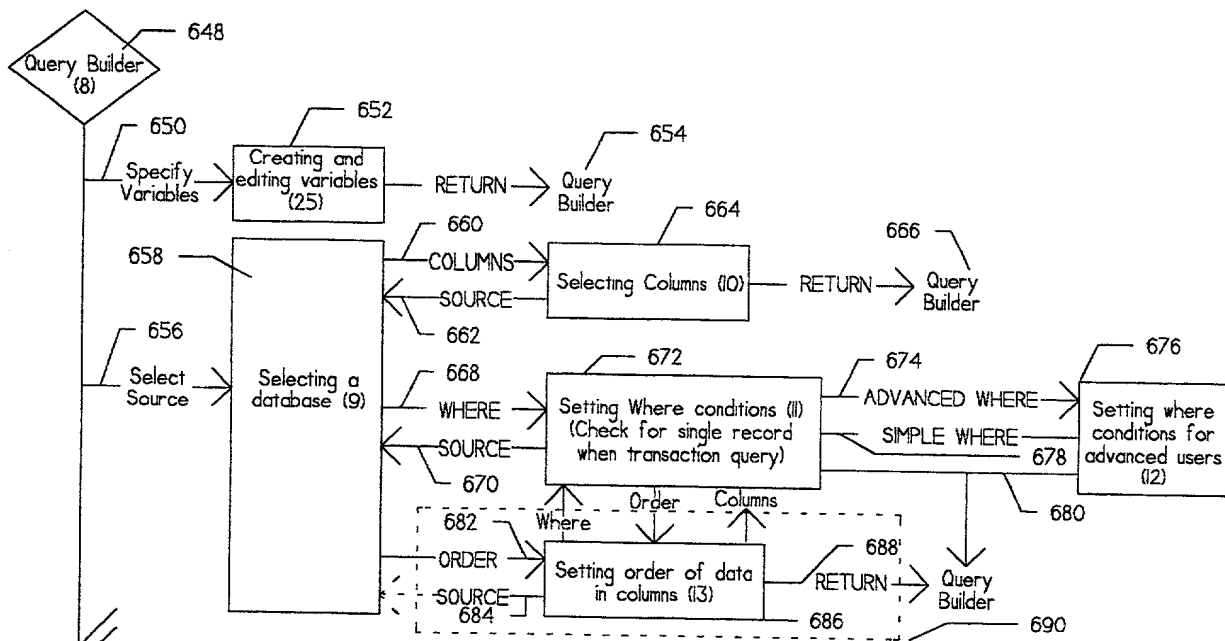


FIG. 22A

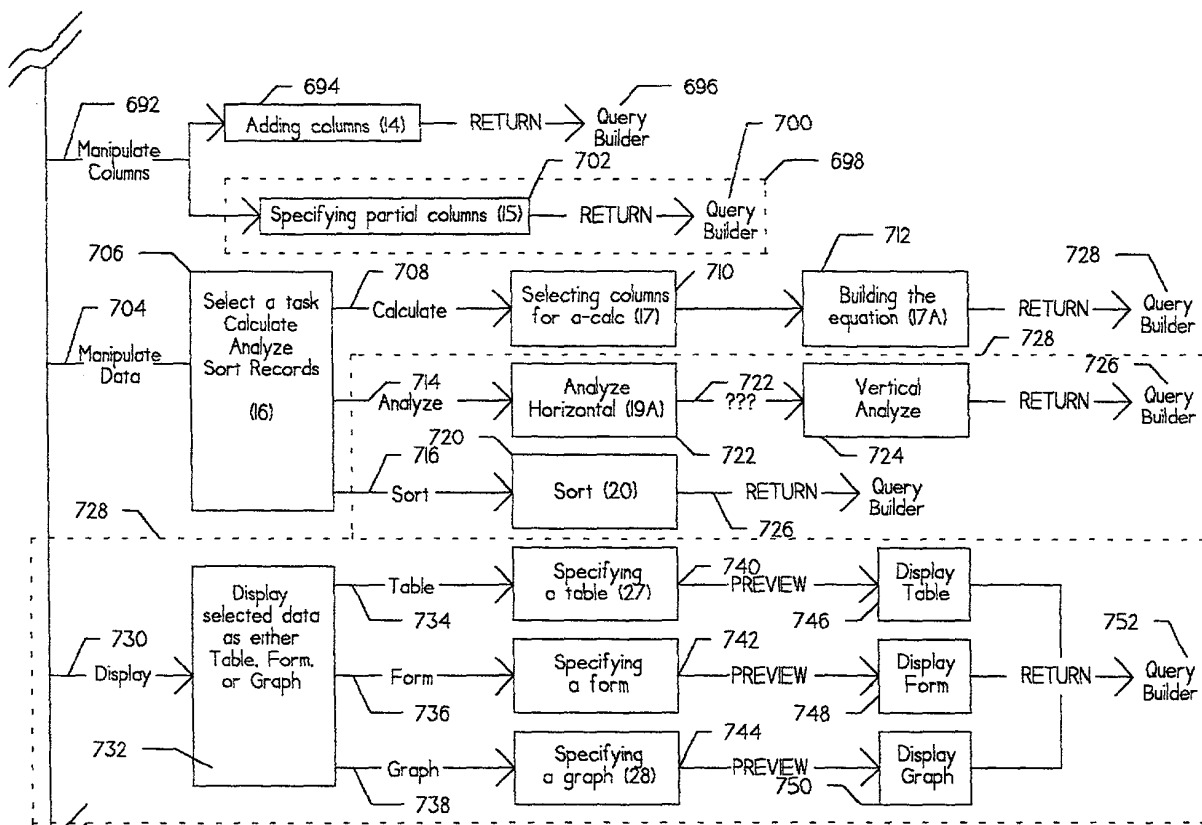


FIG. 22B

FIG. 22C is a flowchart illustrating a process for selecting and displaying data. The process begins with a selection of either Insert, Update, or Delete records (756). This leads to a decision point (758) where the user selects either Insert, Update, or Delete. If Insert is selected, the process moves to Insert setup (24) (760). If Update is selected, the process moves to Update setup (22) (762). If Delete is selected, the process moves to Delete setup (23) (764). All three setup steps lead to a decision point (766) where the user selects either Table or Form. If Table is selected, the process moves to Display Table (774) (770). If Form is selected, the process moves to Display Form (26) (776) (772).

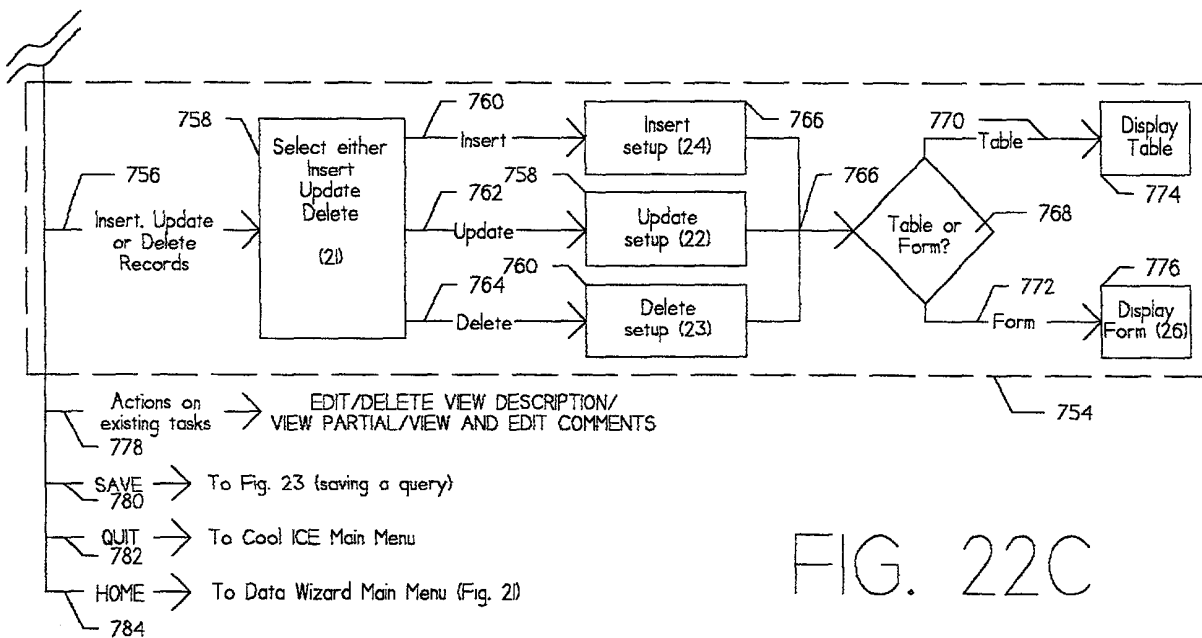


FIG. 22C

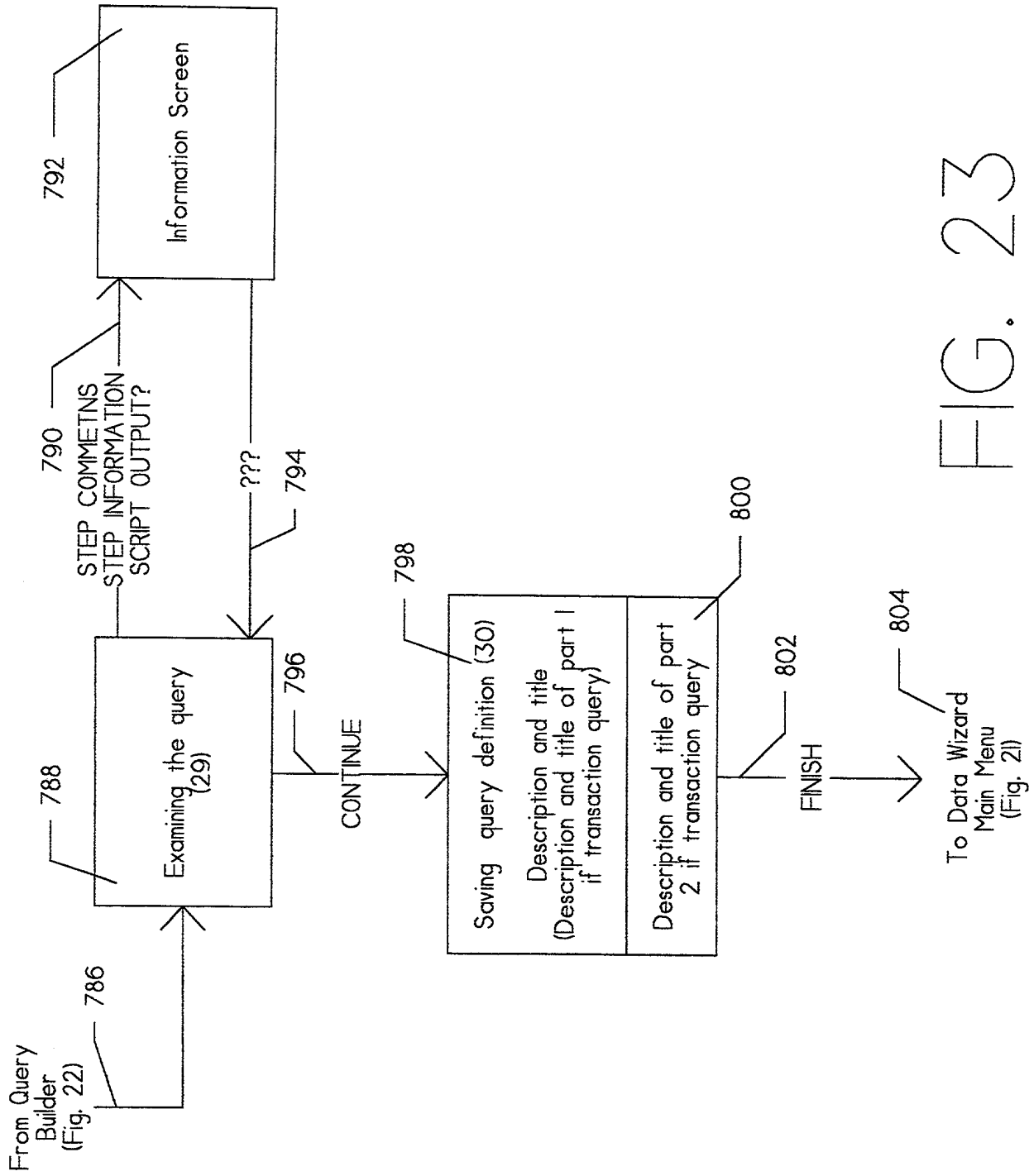


FIG. 23

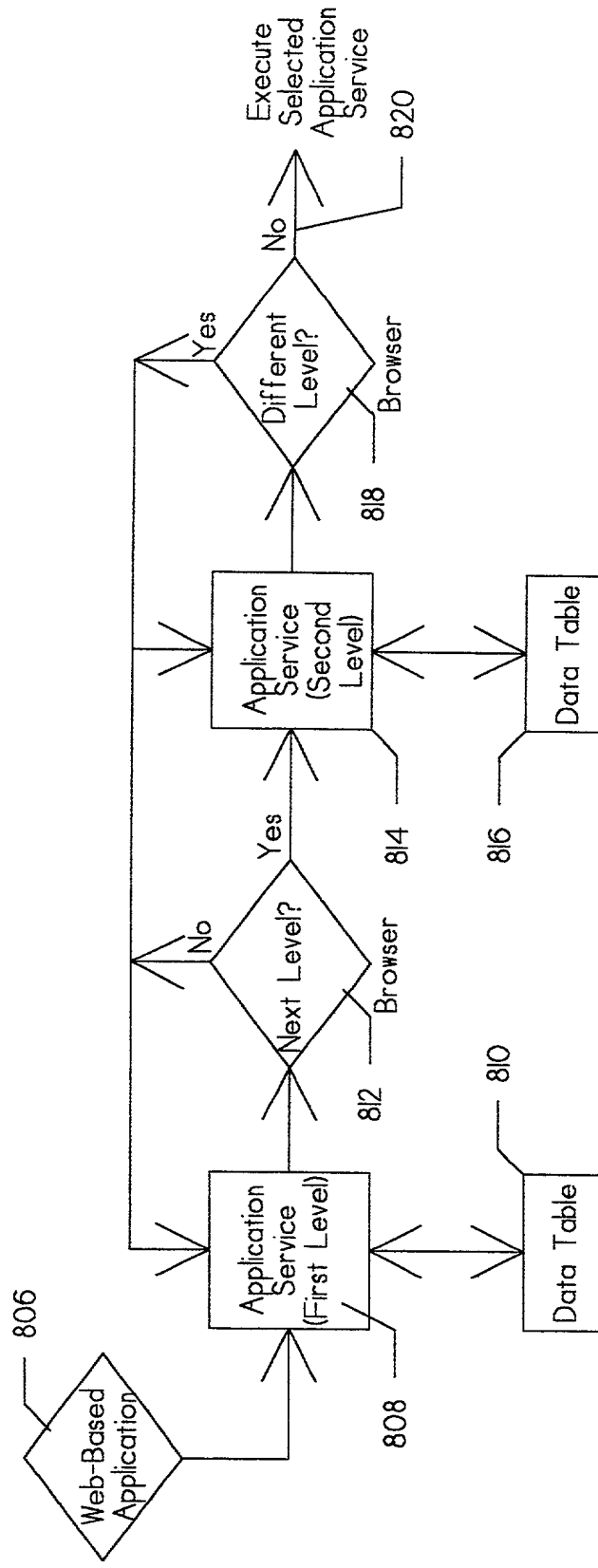
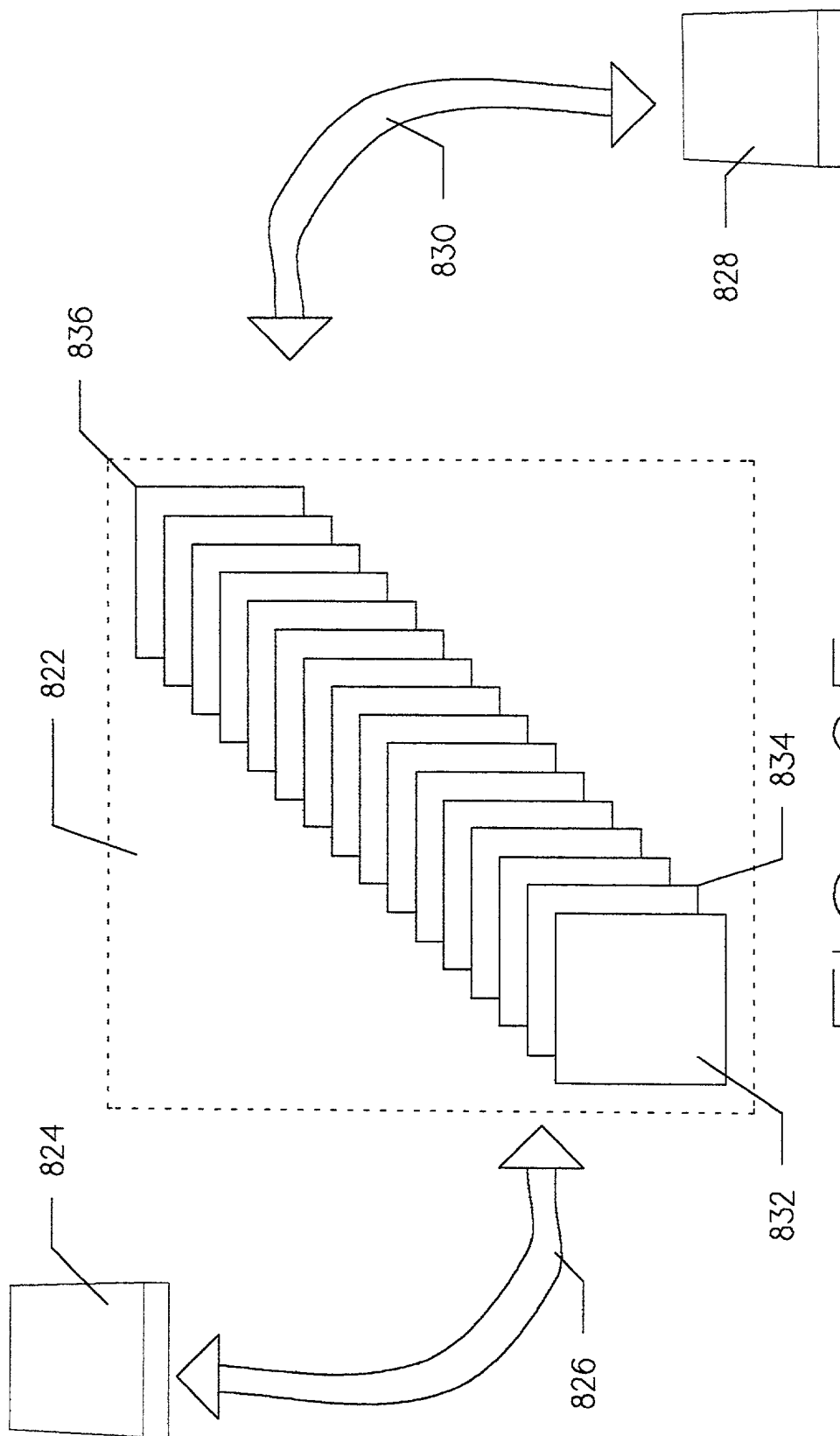


FIG. 24



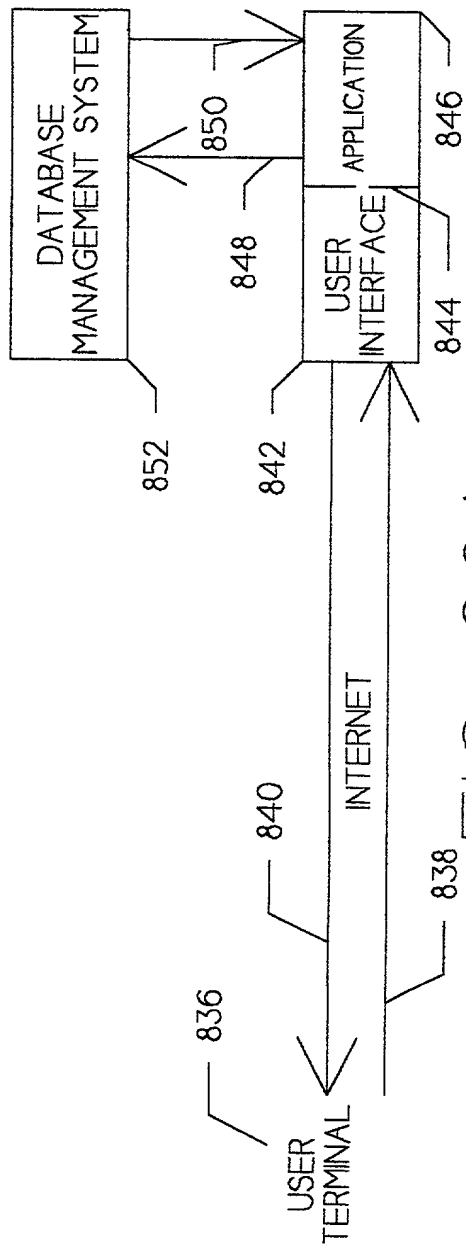


FIG. 26A

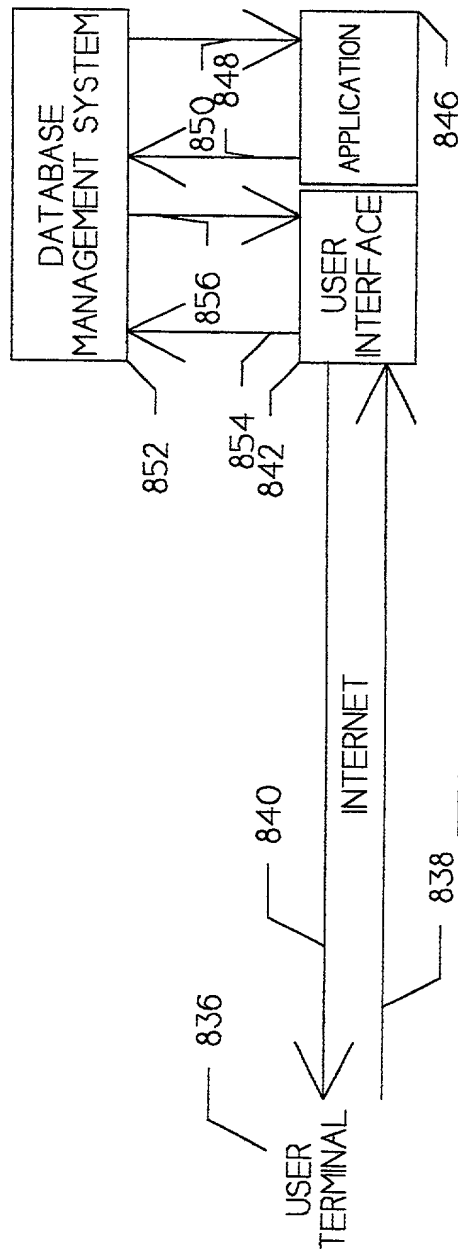


FIG. 26B